The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	08/444	791		
Source:	/	FLU	16	_
Date Processed by STIC:		/20	104	

# ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/20/2004 TIME: 13:10:36

PATENT APPLICATION: US/08/444,791

Input Set : A:\40451C.txt
Output Set: N:\CRF4\12202004\H444791.raw

3 <110> APPLICANT: Brockhaus, et al.

5 <120> TITLE OF INVENTION: Human TNF Receptor

7 <130> FILE REFERENCE: 01017/40451C

9 <140> CURRENT APPLICATION NUMBER: US 08/444,791

10 <141> CURRENT FILING DATE: 1995-05-19

12 <150> PRIOR APPLICATION NUMBER: CH 3319/89

13 <151> PRIOR FILING DATE: 1989-09-12

15 <150> PRIOR APPLICATION NUMBER: CH 786/90

16 <151> PRIOR FILING DATE: 1990-03-08

18 <150> PRIOR APPLICATION NUMBER: CH 1347/90

19 <151> PRIOR FILING DATE: 1990-04-20

21 <150> PRIOR APPLICATION NUMBER: US 07/580,013

22 <151> PRIOR FILING DATE: 1990-09-10

24 <150> PRIOR APPLICATION NUMBER: US 08/095,640

25 <151> PRIOR FILING DATE: 1993-07-21

27 <160> NUMBER OF SEQ ID NOS: 26

29 <170> SOFTWARE: PatentIn version 3.3

31 <210> SEQ ID NO: 1

32 <211> LENGTH: 2111

33 <212> TYPE: DNA

34 <213> ORGANISM: Homo sapiens

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39	ccctcaactg	tcaccccaag	gcacttggga	cgtcctggac	agaccgagtc	ccgggaagcc	120
41	ccagcactgc	cgctgccaca	ctgccctgag	cccaaatggg	ggagtgagag	gccatagctg	180
43	tctggcatgg	gcctctccac	cgtgcctgac	ctgctgctgc	cgctggtgct	cctggagctg	240
45	ttggtgggaa	tatacccctc	aggggttatt	ggactggtcc	ctcacctagg	ggacagggag	300
47	aagagagata	gtgtgtgtcc	ccaaggaaaa	tatatccacc	ctcaaaataa	ttcgatttgc	360
				tacaatgact			420
				ttcaccgctt			480
53	tgcctcagct	gctccaaatg	ccgaaaggaa	atgggtcagg	tggagatctc	ttcttgcaca	540
55	gtggaccggg	acaccgtgtg	tggctgcagg	aagaaccagt	accggcatta	ttggagtgaa	600
57	aaccttttcc	agtgcttcaa	ttgcagcctc	tgcctcaatg	ggaccgtgca	cctctcctgc	660
59	caggagaaac	agaacaccgt	gtgcacctgc	catgcaggtt	tctttctaag	agaaaacgag	720
61	tgtgtctcct	gtagtaactg	taagaaaagc	ctggagtgca	cgaagttgtg	cctaccccag	780
63	attgagaatg	ttaagggcac	tgaggactca	ggcaccacag	tgctgttgcc	cctggtcatt	840
65	ttctttggtc	tttgcctttt	atccctcctc	ttcattggtt	taatgtatcg	ctaccaacgg	900
67	tggaagtcca	agctctactc	cattgtttgt	gggaaatcga	cacctgaaaa	agaggggag	960
69	cttgaaggaa	ctactactaa	gcccctggcc	ccaaacccaa	gcttcagtcc	cactccaggc	1020
71	ttcaccccca	ccctgggctt	cagtcccgtg	cccagttcca	ccttcacctc	cagctccacc	1080
73	tatacccccg	gtgactgtcc	caactttgcg	gctccccgca	gagaggtggc	accaccctat	1140
75	cagggggctg	accccatcct	tgcgacagcc	ctcgcctccg	accccatccc	caaccccctt	1200

77 cagaagtggg aggacagcgc ccacaagcca cagagcctag acactgatga ccccgcgacg

1260

PATENT APPLICATION: US/08/444,791

DATE: 12/20/2004 TIME: 13:10:36

Input Set : A:\40451C.txt

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                                                                      1380
83 gcgcaataca gcatgctggc gacctggagg cggcgcacgc cgcggcgcga ggccacgctg
85 gagetgetgg gaegegtget eegegacatg gaeetgetgg getgeetgga ggaeategag
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87 gaggegettt geggeecege egeceteeeg eeegegeeca gtetteteag atgaggetge
                                                                      1560
89 gcccctgcgg gcagctctaa ggaccgtcct gcgagatcgc cttccaaccc cactttttc
                                                                      1620
91 tggaaaggag gggtcctgca ggggcaagca ggagctagca gccgcctact tggtgctaac
                                                                      1680
93 ccctcgatgt acatagcttt tctcagctgc ctgcgcgccg ccgacagtca gcgctgtgcg
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95 cgcggagaga ggtgcgccgt gggctcaaga gcctgagtgg gtggtttgcg aggatgaggg
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97 acgctatgcc tcatgcccgt tttgggtgtc ctcaccagca aggctgctcg ggggcccctg
                                                                      1860
1920
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                                                                       1980
103 cctggacaag cacatagcaa gctgaactgt cctaaggcag gggcgagcac ggaacaatgg
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107 aacccqaatt c
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111 <211> LENGTH: 455
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
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                                   25
125 His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys
126
            35
                                40
129 Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys
130
133 Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp
                       70
137 Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu
                                       90
141 Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val
               100
                                   105
145 Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg
                               120
149 Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe
                                               140
153 Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu
                       150
                                           155
157 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu
                   165
                                       170
161 Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr
               180
                                   185
165 Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser
           195
                               200
                                                   205
169 Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu
170
       210
                           215
173 Leu Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys
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RAW SEQUENCE LISTING DATE: 12/20/2004
PATENT APPLICATION: US/08/444,791 TIME: 13:10:36

Input Set : A:\40451C.txt

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182
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185 Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val
                                 280
189 Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr Pro Gly Asp Cys
        290
                             295
193 Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly
                         310
                                             315
197 Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn
198
                                         330
201 Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp
                340
                                     345
205 Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro
206
            355
                                 360
209 Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu
        370
                            375
213 Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln
                        390
                                             395
217 Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala
                    405
                                         410
221 Thr Leu Glu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly
222
                420
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225 Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro
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229 Pro Ala Pro Ser Leu Leu Arq
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234 <211> LENGTH: 2339
235 <212> TYPE: DNA
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                                                                          120
243 actegggaac agaacegeat etgeacetge aggeeegget ggtactgege getgageaag
                                                                          180
245 caggaggggt geeggetgtg egegeegetg eegaagtgee geeegggett eggegtggee
                                                                          240
247 agaccaggaa ctgaaacatc agacgtggtg tgcaagccct gtgccccggg gacgttctcc
                                                                          300
249 aacacgactt catccacgga tatttgcagg ccccaccaga tctgtaacgt ggtggccatc
251 cctgggaatg caagcaggga tgcagtctgc acgtccacgt cccccacccg gagtatggcc
                                                                          420
253 ccaggggcag tacacttacc ccagccagtg tccacacgat cccaacacac gcagccaagt
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255 ccagaaccca gcactgctcc aagcacctcc ttcctgctcc caatgggccc cagccccca
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257 gctgaaggga gcactggcga cttcgctctt ccagttggac tgattgtggg tgtgacagcc
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259 ttgggtctac taataatagg agtggtgaac tgtgtcatca tgacccaggt gaaaaagaag
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261 cccttgtgcc tgcagagaga agccaaggtg cctcacttgc ctgccgataa ggcccggggt
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263 acacagggcc ccgagcagca gcacctgctg atcacagegc cgagctccag cagcagctcc
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265 ctggagaget eggeeagtge gttggacaga agggegeeca eteggaacea geeacaggea
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267 ccaggcgtgg aggccagtgg ggccggggag gcccggggcca gcaccqqqaq ctcaqcaqat
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DATE: 12/20/2004 PATENT APPLICATION: US/08/444,791 TIME: 13:10:36

Input Set : A:\40451C.txt

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																acagat	
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																cccctg	
																ctgtgt	
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283	agc	cgca	gcc	tccc	tctg	ac c	tgca	ggcc	a ag	agca	gagg	cag	cgag	ttg	tgga	aagcct	1380
285	ctg	ctgc	cat	ggcg	tgtc	cc t	ctcg	gaag	g ct	ggct	gggc	atg	gacg	ttc	9999	catgct	1440
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291	tct	gccc	agc	tctg	gctt	cc a	gaaa	accc	c aq	catc	cttt	tct	qcaq	aqq	gact	ttctgg	1620
293	aga	ggag	gga	tgct	gcct	qa q	tcac	ccat	q aa	gaca	qqac	aqt	actt	caq	ccta	aggctg	1680
295	aga	ctqc	ada	atqq	tcct	ga a	acte	tata	c aq	gaaa	gagg	taa	caqc	aat	at.aa	ggaacg	1740
297	aaa	tcct	tca	aqtt.	agct	ca q	aaaa	ctta	or aa.	agga	tcac	-55	aaac	cad	atac	agtggc	1800
299	tca	cacc	tat	gate	ccaq	ca c	t.t.t.a	aaaa	a cto	aagg	caaa	taa	atra	cct	asaa	ttagga	1860
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																ggaaat	
																ggaaar ccagcc	
																ecagec aatgct	
																ggccac	
																caattt	
																gccagc	
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					Homo	o sa	pien	S									
	<40																
		Asp	Thr	Val	Care	Δan											
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	Trp				5					10					15		
2 2 2	_	Asn	Trp	Val	5					10	Ser Gly				15		
332				Val 20	5 Pro	Glu	Cys	Leu	Ser 25	10 Cys	Gly	Ser	Arg	Cys	15 Ser	Ser	
				Val 20	5 Pro	Glu	Cys	Leu	Ser 25	10 Cys		Ser	Arg	Cys	15 Ser	Ser	
335 336	Asp	Gln	Val 35	Val 20 Glu	5 Pro Thr	Glu Gln	Cys Ala	Leu Cys 40	Ser 25 Thr	10 Cys Arg	Gly Glu	Ser Gln	Arg Asn 45	Cys 30 Arg	15 Ser Ile	Ser Cys	
335 336	Asp	Gln	Val 35	Val 20 Glu	5 Pro Thr	Glu Gln	Cys Ala	Leu Cys 40	Ser 25 Thr	10 Cys Arg	Gly Glu	Ser Gln	Arg Asn 45	Cys 30 Arg	15 Ser Ile	Ser Cys	
335 336	Asp	Gln	Val 35	Val 20 Glu	5 Pro Thr	Glu Gln	Cys Ala	Leu Cys 40	Ser 25 Thr	10 Cys Arg	Gly	Ser Gln	Arg Asn 45	Cys 30 Arg	15 Ser Ile	Ser Cys	
335 336 339 340	Asp Thr	Gln Cys 50	Val 35 Arg	Val 20 Glu Pro	5 Pro Thr Gly	Glu Gln Trp	Cys Ala Tyr 55	Leu Cys 40 Cys	Ser 25 Thr	10 Cys Arg Leu	Gly Glu Ser	Ser Gln Lys	Arg Asn 45 Gln	Cys 30 Arg Glu	15 Ser Ile Gly	Ser Cys Cys	
335 336 339 340	Asp Thr Arg	Gln Cys 50	Val 35 Arg	Val 20 Glu Pro	5 Pro Thr Gly	Glu Gln Trp	Cys Ala Tyr 55	Leu Cys 40 Cys	Ser 25 Thr	10 Cys Arg Leu	Gly Glu Ser Pro	Ser Gln Lys	Arg Asn 45 Gln	Cys 30 Arg Glu	15 Ser Ile Gly	Ser Cys Cys	
335 336 339 340 343 344	Asp Thr Arg 65	Gln Cys 50 Leu	Val 35 Arg Cys	Val 20 Glu Pro Ala	5 Pro Thr Gly Pro	Glu Gln Trp Leu 70	Cys Ala Tyr 55 Pro	Leu Cys 40 Cys Lys	Ser 25 Thr Ala Cys	10 Cys Arg Leu Arg	Gly Glu Ser Pro	Ser Gln Lys 60 Gly	Arg Asn 45 Gln Phe	Cys 30 Arg Glu	15 Ser Ile Gly Val	Ser Cys Cys Ala	
335 336 339 340 343 344 347	Asp Thr Arg 65	Gln Cys 50 Leu	Val 35 Arg Cys	Val 20 Glu Pro Ala	5 Pro Thr Gly Pro Glu	Glu Gln Trp Leu 70	Cys Ala Tyr 55 Pro	Leu Cys 40 Cys Lys	Ser 25 Thr Ala Cys	10 Cys Arg Leu Arg Val	Gly Glu Ser Pro	Ser Gln Lys 60 Gly	Arg Asn 45 Gln Phe	Cys 30 Arg Glu	15 Ser Ile Gly Val	Ser Cys Cys Ala	
335 336 339 340 343 344 347 348	Asp Thr Arg 65 Arg	Gln Cys 50 Leu Pro	Val 35 Arg Cys	Val 20 Glu Pro Ala Thr	5 Pro Thr Gly Pro Glu 85	Glu Gln Trp Leu 70 Thr	Cys Ala Tyr 55 Pro	Leu Cys 40 Cys Lys Asp	Ser 25 Thr Ala Cys Val	10 Cys Arg Leu Arg Val 90	Gly Glu Ser Pro 75 Cys	Ser Gln Lys 60 Gly Lys	Arg Asn 45 Gln Phe	Cys 30 Arg Glu Gly Cys	15 Ser Ile Gly Val Ala 95	Ser Cys Cys Ala 80 Pro	
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335 336 339 340 343 344 347 348 351 352	Asp Thr Arg 65 Arg	Gln Cys 50 Leu Pro	Val 35 Arg Cys Gly Phe	Val 20 Glu Pro Ala Thr Ser 100	5 Pro Thr Gly Pro Glu 85 Asn	Glu Gln Trp Leu 70 Thr	Cys Ala Tyr 55 Pro Ser Thr	Leu Cys 40 Cys Lys Asp	Ser 25 Thr Ala Cys Val Ser 105	10 Cys Arg Leu Arg Val 90 Thr	Gly Glu Ser Pro 75 Cys Asp	Ser Gln Lys 60 Gly Lys	Arg Asn 45 Gln Phe Pro Cys	Cys 30 Arg Glu Gly Cys Arg 110	15 Ser Ile Gly Val Ala 95 Pro	Ser Cys Cys Ala 80 Pro	
335 336 339 340 343 347 348 351 352 355	Asp Thr Arg 65 Arg	Gln Cys 50 Leu Pro	Val 35 Arg Cys Gly Phe	Val 20 Glu Pro Ala Thr Ser 100	5 Pro Thr Gly Pro Glu 85 Asn	Glu Gln Trp Leu 70 Thr	Cys Ala Tyr 55 Pro Ser Thr	Leu Cys 40 Cys Lys Asp Ser	Ser 25 Thr Ala Cys Val Ser 105	10 Cys Arg Leu Arg Val 90 Thr	Gly Glu Ser Pro 75 Cys	Ser Gln Lys 60 Gly Lys	Arg Asn 45 Gln Phe Pro Cys Ser	Cys 30 Arg Glu Gly Cys Arg 110	15 Ser Ile Gly Val Ala 95 Pro	Ser Cys Cys Ala 80 Pro	
335 336 339 340 343 347 348 351 352 355 356	Asp Thr Arg 65 Arg Gly	Gln Cys 50 Leu Pro Thr	Val 35 Arg Cys Gly Phe Cys 115	Val 20 Glu Pro Ala Thr Ser 100 Asn	5 Pro Thr Gly Pro Glu 85 Asn	Glu Gln Trp Leu 70 Thr Thr	Cys Ala Tyr 55 Pro Ser Thr	Leu Cys 40 Cys Lys Asp Ser Ile 120	Ser 25 Thr Ala Cys Val Ser 105 Pro	10 Cys Arg Leu Arg Val 90 Thr	Gly Glu Ser Pro 75 Cys Asp Asn	Ser Gln Lys 60 Gly Lys Ile Ala	Arg Asn 45 Gln Phe Pro Cys Ser 125	Cys 30 Arg Glu Gly Cys Arg 110 Arg	15 Ser Ile Gly Val Ala 95 Pro	Ser Cys Cys Ala 80 Pro His	
335 336 339 340 343 344 347 348 351 355 356 359	Asp Thr Arg 65 Arg Gly	Gln Cys 50 Leu Pro Thr Ile Cys	Val 35 Arg Cys Gly Phe Cys 115	Val 20 Glu Pro Ala Thr Ser 100 Asn	5 Pro Thr Gly Pro Glu 85 Asn	Glu Gln Trp Leu 70 Thr Thr	Cys Ala Tyr 55 Pro Ser Thr Ala Pro	Leu Cys 40 Cys Lys Asp Ser Ile 120	Ser 25 Thr Ala Cys Val Ser 105 Pro	10 Cys Arg Leu Arg Val 90 Thr	Gly Glu Ser Pro 75 Cys Asp	Ser Gln Lys 60 Gly Lys Ile Ala Ala	Arg Asn 45 Gln Phe Pro Cys Ser 125	Cys 30 Arg Glu Gly Cys Arg 110 Arg	15 Ser Ile Gly Val Ala 95 Pro	Ser Cys Cys Ala 80 Pro His	
335 336 339 340 343 344 347 348 351 355 356 359 360	Asp Thr Arg 65 Arg Gly Gln Val	Gln Cys 50 Leu Pro Thr Ile Cys 130	Val 35 Arg Cys Gly Phe Cys 115 Thr	Val 20 Glu Pro Ala Thr Ser 100 Asn	5 Pro Thr Gly Pro Glu 85 Asn Val	Glu Gln Trp Leu 70 Thr Val Ser	Cys Ala Tyr 55 Pro Ser Thr Ala Pro 135	Leu Cys 40 Cys Lys Asp Ser Ile 120 Thr	Ser 25 Thr Ala Cys Val Ser 105 Pro	10 Cys Arg Leu Arg Val 90 Thr Gly Ser	Gly Glu Ser Pro 75 Cys Asp Asn Met	Ser Gln Lys 60 Gly Lys Ile Ala Ala 140	Arg Asn 45 Gln Phe Pro Cys Ser 125 Pro	Cys 30 Arg Glu Gly Cys Arg 110 Arg	15 Ser Ile Gly Val Ala 95 Pro Asp	Ser Cys Cys Ala 80 Pro His Ala Val	
335 336 339 340 343 344 347 348 351 355 356 359 360 363	Asp Thr Arg 65 Arg Gly Gln Val	Gln Cys 50 Leu Pro Thr Ile Cys 130	Val 35 Arg Cys Gly Phe Cys 115 Thr	Val 20 Glu Pro Ala Thr Ser 100 Asn	5 Pro Thr Gly Pro Glu 85 Asn Val	Glu Gln Trp Leu 70 Thr Thr Val Ser	Cys Ala Tyr 55 Pro Ser Thr Ala Pro 135	Leu Cys 40 Cys Lys Asp Ser Ile 120 Thr	Ser 25 Thr Ala Cys Val Ser 105 Pro	10 Cys Arg Leu Arg Val 90 Thr Gly Ser	Gly Glu Ser Pro 75 Cys Asp Asn Met Gln	Ser Gln Lys 60 Gly Lys Ile Ala Ala 140	Arg Asn 45 Gln Phe Pro Cys Ser 125 Pro	Cys 30 Arg Glu Gly Cys Arg 110 Arg	15 Ser Ile Gly Val Ala 95 Pro Asp	Ser Cys Cys Ala 80 Pro His Ala Val Ser	
335 336 339 340 343 344 347 348 351 355 356 359 360 363	Asp Thr Arg 65 Arg Gly Gln Val	Gln Cys 50 Leu Pro Thr Ile Cys 130	Val 35 Arg Cys Gly Phe Cys 115 Thr	Val 20 Glu Pro Ala Thr Ser 100 Asn	5 Pro Thr Gly Pro Glu 85 Asn Val	Glu Gln Trp Leu 70 Thr Val Ser	Cys Ala Tyr 55 Pro Ser Thr Ala Pro 135	Leu Cys 40 Cys Lys Asp Ser Ile 120 Thr	Ser 25 Thr Ala Cys Val Ser 105 Pro	10 Cys Arg Leu Arg Val 90 Thr Gly Ser	Gly Glu Ser Pro 75 Cys Asp Asn Met	Ser Gln Lys 60 Gly Lys Ile Ala Ala 140	Arg Asn 45 Gln Phe Pro Cys Ser 125 Pro	Cys 30 Arg Glu Gly Cys Arg 110 Arg	15 Ser Ile Gly Val Ala 95 Pro Asp	Ser Cys Cys Ala 80 Pro His Ala Val	

PATENT APPLICATION: US/08/444,791

DATE: 12/20/2004 TIME: 13:10:36

Input Set : A:\40451C.txt

```
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                        165
                                            170
     371 Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly Asp Phe Ala Leu Pro Val
     372 180
                                        185
     375 Gly Leu Ile Val Gly Val Thr Ala Leu Gly Leu Leu Ile Ile Gly Val
                                    200
     379 Val Asn Cys Val Ile Met Thr Gln Val Lys Lys Pro Leu Cys Leu
             210
                                 215
     383 Gln Arg Glu Ala Lys Val Pro His Leu Pro Ala Asp Lys Ala Arg Gly
                            230
                                                235
     387 Thr Gln Gly Pro Glu Gln Gln His Leu Leu Ile Thr Ala Pro Ser Ser
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                                            250
     391 Ser Ser Ser Leu Glu Ser Ser Ala Ser Ala Leu Asp Arg Ala
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                                        265
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     396 275
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     399 Gly Glu Ala Arg Ala Ser Thr Gly Ser Ser Ala Asp Ser Ser Pro Gly
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                               295
     403 Gly His Gly Thr Gln Val Asn Val Thr Cys Ile Val Asn Val Cys Ser
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     411 Gly Asp Thr Asp Ser Ser Pro Ser Glu Ser Pro Lys Asp Glu Gln Val
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     415 Pro Phe Ser Lys Glu Glu Cys Ala Phe Arg Ser Gln Leu Glu Thr Pro
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     429 <212> TYPE: PRT
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    433 <223> OTHER INFORMATION: Synthetic peptide
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    436 <221> NAME/KEY: misc_feature
    437 <222> LOCATION: (25)..(25)
    438 <223> OTHER INFORMATION: Xaa = any or unknown amino acid
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/08/444,791

DATE: 12/20/2004 TIME: 13:10:37

Input Set : A:\40451C.txt

Output Set: N:\CRF4\12202004\H444791.raw

# Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 25

Seq#:10; Xaa Pos. 8

Seq#:11; Xaa Pos. 2

Seq#:14; Xaa Pos. 9,10,13

### VERIFICATION SUMMARY

PATENT APPLICATION: US/08/444,791

DATE: 12/20/2004 TIME: 13:10:37

Input Set : A:\40451C.txt

Output Set: N:\CRF4\12202004\H444791.raw

L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16 L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0 L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0 L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0